**Memory Address 32 bit**

| Offset 3 bit | Comparand 29 bit |
|---|---|

**Cache: n slots of 8 words**

Tags      8 Words

**Search for matching Tag**

| tag | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|
| tag | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| tag | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

...    ...      ...

| tag | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|

**Lookup Word**